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ON A COLLECTION OF BIRDS OBTAINED BY THE FRANCIS E. BOND EXPEDITION IN THE ORINOCO DELTA AND PARIA PENINSULA, VENEZUELA.

BY WITMER STONE.

During the early part of 1911 Mr. Francis E. Bond conducted an expedition to the coast of Venezuela, mainly in the delta of the Orinoco. He was accompanied by Messrs. Stewardson Brown, Conservator of the Botanical Section of the Academy, and Thomas S. Gillin, of Ambler, Pa.

Among the collections obtained by the expedition and generously presented by Mr. Bond to the Academy is a series of 504 bird skins, prepared almost entirely by Mr. Gillin from specimens shot by himself and other members of the party.

It has been my privilege to study this collection, a complete list of which is presented herewith.

In order to better understand the relative position of the several localities, I have drawn up a brief itinerary of the expedition from notes furnished me by Mr. Brown.

Starting from Port of Spain, Trinidad, the party crossed to the peninsula of Paria, stopping at Cariaquito on the south shore. Collecting was carried on here January 13-22, mainly close to the coast and never more than a mile or two inland. Crossing the gulf, they stopped at Pedernales, January 25-27, and then sailed up the Vagre River, a sort of confluence of several streams, and thence up the Guanipa, arriving at the village of that name on February 2. On February 6, they returned to the Vagre, and on the 8th went up the Manimo to the mouth of the Uracoa, which they reached on February 10. They then ascended this stream to La Pedrita, where they remained February 12-18, and then returning to the Manimo followed it to Tucapeta, some forty miles from the Orinoco itself. Here they spent February 22-23, and then returned down the Manimo to Pedernales, stopping at the Corisal, February 25-28, and reaching the coast on March 4. Thence they returned to Cariaquito, where they stopped March 10-18 to make additional collections before crossing to Trinidad.

In a region so long familiar to bird collectors as the Orinoco delta it is not surprising that no new forms were obtained, but some of the

records both from this district and from Cariaquito considerably extend the range of the species, and in view of the lack of definite localities in the case of early collections, the present list will, it is hoped, be of value in ascertaining the exact range of the various Venezuelan species.

It will be noticed that 101 species were obtained only at localities in the delta country, while 48 were found only at Cariaquito on the Paria peninsula, and 23 were found in both regions. These figures mean little, however, as the collection is not sufficiently comprehensive to warrant any general deductions on distribution. A certain number of the Cariaquito species, such as *Crypturus columbianus*, *Ceryle americana*, *Microrhopias grisea intermedia*, *Dendrocinclameruloides phæochroa*, *Myiozetetes similis columbianus*, *Chiroxiphia lanceolata*, *Thryophilus rufalbus castanonotis*, *Pachysylvia aurantiifrons saturata*, *Compsothylpys pitayumi elegans*, *Basileuterus auricapillus olivascens*, *Tanagra trinitatis*, *Tangara desmerestii*, and *Icterus auricapillus*, are mainly restricted to the mountainous north coast of Venezuela, extending eastward from Colombia. There are, however, many others taken only at Cariaquito which are well known to range also over the delta region. Notes on the color of the tarsi, irides, etc., have been taken from Mr. Gillin's labels, while a few notes on distribution and abundance received from Mr. Brown bear his initials.

TINAMIDÆ.

1. *Crypturus columbianus* Salvadori. Colombian Tinamou.

Crypturus columbianus Salvadori, Cat. Bird Brit. Mus., xxvii, p. 545, 1895 (Neche, Antioquia).

Cariaquito, ♂ January 17 (58,713), ♂ ♀ March 16 (58,712, 58,714).

These specimens are related to *C. boucardi* and appear referable to the present form, although I have not been able to compare them with authentic specimens.

"Legs red."

CRACIDÆ.

2. *Crax alector* Linn. Crested Curassow.

Crax Alector Linnaeus, Syst. Nat., i, Ed. XII, p. 269, 1766. ("In America Calidore" = Cayenne.)

Caño Vagre, ♀ January 29 (58,730).

"Cere orange-yellow, beak and legs bluish lead color, iris hazel."

COLUMBIDÆ.

3. *Columba rufina* Temm. and Knip. Rufous Pigeon.

Columba Rufina Temminck and Knip, Fig. i, p. 59, Pl. 24, 1808-11 (French Guiana).

Corosal, ♂ February 27 (58,710).

Settlement on Vagre River, ♂ January 28 (58,709).

"Iris red, legs and feet dark carmine."

This was the common pigeon of the delta country and occurred in immense flocks (S. B.).

4. *Scardafella ridgwayi* Richmond. Ridgway's Dove.

Scardafella ridgwayi Richmond, Proc. U. S. Nat. Mus., xviii, p. 660, 1896 (Margarita Island).

Caño Corosal, ♀ ♀ ♂ February 25 (58,705-7), ♀ February 26 (58,704).

"Iris red-brown."

5. *Chæmepelia rufipennis* (Bonap.). Rufous-winged Ground-Dove.

Columbina rufipennis Bonaparte, Consp. Av. ii, p. 79, 1855 (Carthagena, Colombia).

Pedernales, ♂ January 26 (58,708), and another without data.

"Legs flesh-color."

6. *Leptotila verreauxi insularis* Richmond. Margarita Dove.

Leptotila insularis Richmond, Proc. U. S. Nat. Mus., xviii, p. 569, 1895 (Margarita Island).

Cariaquito, ♂ March 16 (58,711).

"Iris pale yellow, feet and skin around the eye sky blue."

OPISTHOCOMIDÆ.

7. *Opisthocomus hoazin* (P. L. S. Müller). Hoatzin.

Phasianus Hoazin P. L. S. Müller, Syst. Nat. Suppl., p. 125, 1776 (Cayenne).

Guinipa River, three specimens January 31 (58,703, 58,802-3).

"Iris carmine, skin around the eye lead color."

Occurred along all the streams as far as we went. Most abundant above the mangrove area. Came to feed at sunset on the ground in the savannas (S. B.).

RALLIDÆ.

8. *Aramides cajanea* (P. L. S. Müller). Cayenne Wood Rail.

Fulica Cajanea P. L. S. Müller, Natursyst. Suppl., p. 119, 1776 (Cayenne).

Cariaquito, ♀ January 22 (58,716), ♂ ♀ March 12 (58,715 and 58,717).

Caño Vagre, ♂ January 29 (58,718).

"Eyelids and legs red-pink, bill greenish, yellowish at base."

LARIDÆ.

9. *Phaëtusa chloropoda* (Vieill.). Great-billed Tern.

Sterna chloropoda Vieillot, N. Diet. d'Hist. Nat., xxxii. p. 171, 1818 (Paraguay).

Manimo River, ♀ ♂ ♂ February 9 (58,742-4).

La Pedrita, Rio Uracoa, ♀ February 15 (50,741).

"Bill greenish-yellow, feet green."

10. *Rynchops nigra cinerascens* Spix. Black-tailed Skimmer.

Rynchops cinerascens Spix, Av. Bras. ii, p. 80, Pl. cii, 1825 (Amazon River).

La Pedrita, Rio Uracoa, ♀ February 15 (58,740).

"Legs and base of bill carmine."

CHARADRIIDÆ.

11. *Belonopterus cayennensis* (Gmel.). Cayenne Lapwing.

Parra cayennensis Gmelin, Syst. Nat., I, ii, p. 706, 1789 (Cayenne).

La Pedrita, Rio Uracoa, ♂ ♂ ♀ ♂ February 11 (58,734-7).

"Tip of bill and feet black."

Occurred in immense flocks on the Uracoa (S. B.).

SCOLOPACIDÆ.

12. *Actitis macularia* (Linn.). Spotted Sandpiper.

Tringa macularia Linnæus, Syst. Nat., Ed. XII, i, p. 249, 1766 (Pennsylvania).

Cariaquito, ♂ March 3 (58,731).

13. *Gallinago brasiliensis* (Swains.). Brazilian Snipe.

Scolopax Brasiliensis Swainson, Faun. Boreal. Am., p. 400, note 1831 (Brazil).

Caño Corosal, ♂ ♀ February 25 (58,732-3).

These birds have the first or outer secondaries longer than the primary coverts and seem to belong to this species rather than to *G. paraguayæ*, which Bulepsch and Hartert record from the Orinoco Region (Novit. Zool., IX, p. 130).

JACANIDÆ.

14. *Jacana jacana* (Linn.). Jacana.

Parra Jacana Linnæus, Syst. Nat., Ed. XII, i, p. 259, 1766 (South America).

Caño Corosal, ♀ February 25 (58,719).

La Pedrita, Rio Uracoa, ♀ February 15, ♂ ♂ ♂ February 11 (58,720-3).

Common in the savanna country at La Pedrita on floating vegetation (S. B.).

"Shield and base of bill deep carmine red."

EURYPYGIDÆ.**15. Eurypyga helias** (Pall.). Sun Bittern.

Ardea helias Pallas, Neue Nord. Beytr., ii, p. 48, Pl. iii, 1781 (Surinam).

Guinipa River, ♀ ♂ ♀ ♂ January 31 (58,725-8).

Vagre River, ♂ January 29 (58,724).

Occurred mostly on mud flats bordering the mangroves; very tame (S. B.).

"Iris carmine, lower mandible and legs yellow."

IBIDIDÆ.**16. Guara rubra** (Linn.). Scarlet Ibis.

Scolopax rubra Linnæus, Syst. Nat., Ed. X, i, p. 145, 1758 ("America" = Guiana).

Isla Morocotico, Manimo River, March 3 (58,763).

Isla Plata, Manimo River, March 4 (58,762, 58,791-5).

"Legs and beak pinkish-white, iris grayish-stone."

Very abundant on the Manimo, etc., but not common above tidewater (S. B.).

PLATALEIDÆ.**17. Ajaja ajaja** (Linn.). Roseate Spoonbill.

Platalea Ajaja Linnæus, Syst. Nat., Ed. X, i, p. 140, 1758 (South America).

Isla Plata, Manimo River, ♂ March 4 (58,761).

"Iris reddish, legs pink, beak flesh-colored."

ARDEIDÆ.**18. Ardea cocoi** Linn. Cocoi Heron.

Ardea Cocoi Linnæus, Syst. Nat., Ed. XII, i, p. 237, 1766 (Cayenne).

Caño Corosal, ♀ February 27 (58,766).

19. Butorides striata (Linn.). Black-crowned Heron.

Ardea striata Linnæus, Syst. Nat., Ed. XII, i, p. 238, 1766 (Surinam).

Manimo River, ♂ February 8 (58,729).

20. Nyctinassa violacea (Linn.). Yellow-crowned Night Heron.

Ardea violacea Linnæus, Syst. Nat., Ed. X, i, p. 143, 1758 (Carolina).

Corosal, ♂ February 27 (58,759).

Cariaquito, ♀ March 14, ♂ ♀ January 22, ♀ January 14 (58,755-8).

"Iris orange-yellow."

21. Tigrisoma lineatum (Bodd.). Tiger Bittern.

Ardea lineata Boddaert, Tabl. Pl. Enl., p. 52, 1783 (Cayenne).

Guinipa River, ♂ ♂ February 4 and January 31 (58,764-5).

"Iris yellow, feet and skin at base of beak greenish."

PALAMEDEIDÆ.

22. *Anhima cornuta* (Linn.). Horned Screamer.

Palamedea cornuta Linnæus, Syst. Nat., Ed. XII, i, p. 232, 1766 (Brazil, Guiana).

Manimo River, ♂ February 20 (58,767).

Very common on the upper Manimo in the tops of tall trees (S. B.).

"Iris reddish-yellow."

PHALACROCORACIDÆ.

23. *Phalacrocorax vigua* (Vieill.). Brazilian Cormorant.

Hydrocorax vigua Vieillot, N. Dict. l'Hist. Nat., viii, p. 90, 1817 (Paraguay).

Jacopita, Manimo River, ♂ February 23 (58,738).

"Iris white, skin on throat yellow."

ANHINGIDÆ.

24. *Anhinga anhinga* (Linn.). Anhinga.

Plotus anhinga Linnæus, Syst. Nat., Ed. XII, i, p. 218, 1766 (South America).

Caño Vagre, ♀ January 28 (58,739).

CATHARTIDÆ.

25. *Sarcorhamphus papa* (Linn.). King Vulture.

Vultur Papa Linnæus, Syst. Nat., Ed. X, i, p. 86, 1758 ("in India occidentali" = Brazil).

Guinipa Village, ♀ February 2 (58,751).

FALCONIDÆ.

26. *Circus buffoni* (Gmel.). Long-winged Harrier.

Falco Buffoni Gmelin, Syst. Nat., I, i, p. 277, 1788 (Cayenne).

La Pedrita, Rio Uracoa, ♂ February 13 (58,692):

"Cere and edge of gape greenish-blue, legs orange-yellow, iris hazel."

Hawks of all kind were most abundant in the savanna country on the Uracoa (S. B.).

27. *Geranospizias cærulescens* (Vieill.). Gray Crane-Hawk.

Sparvius cærulescens Vieillot, N. Dict. d'Hist. Nat., x, p. 318, 1817 (South America).

Manimo River, ♂ ♂ February 18 and March 3 (58,701-2).

"Iris carmine, cere black, lower mandible bluish, legs deep orange."

28. *Asturina nitida* (Lath.). Shining Buzzard-Hawk.

Falco nitida Latham, Ind. Orn., i, p. 41, 1790 (Cayenne).

Boco Uracoa, Manimo River, ♂ February 24 (58,698).

"Iris hazel, legs and cere yellow, beak blue."

29. **Rupornis magnirostris** (Gmel.). Large-billed Hawk.
Falco magnirostris Gmelin, Syst. Nat., I, i, p. 282, 1788 (Cayenne).
 Cariaquito, ♀ ♀ January 14 and March 13 (58,699-700).
 Pedernales, ♂ March 6 and ♀ January 26 (58,696-7).
 "Iris, cere, skin around eye, and legs yellow."
30. **Busarellus nigricollis** (Lath.). Black-collared Hawk.
Falco nigricollis Latham, Ind. Orn., i, p. 35, 1790 (Cayenne).
 La Pedrita, ♂ ♂ February 13 (58,749-50).
 Caño Corosal, ♂ February 24 (58,745).
 "Cere, skin at base of bill and feet light blue, iris hazel."
31. **Buteogallus æquinoctialis** (Gmel.). Equinoctial Buzzard.
Falco æquinoctialis Gmelin, Syst. Nat., I, i, p. 265, 1788 (Cayenne).
 Pedernales, ♂ March 6 (58,748).
 "Base of bill and skin around eye and feet yellow."
32. **Urubitinga urubitinga** (Gmel.). Brazilian Eagle.
Falco Urubitinga Gmelin, Syst. Nat., i, p. 265, 1788 (Brazil).
 Caño Corosal, ♀ February 28 (58,746).
 "Iris hazel, legs, skin around the eyes and cere yellow."
33. **Urubitinga anthracina** (Nitzsch). Mexican Black Hawk.
Falco anthracinus Nitzsch, Syst. Pteryl., p. 83, 1840 (Mexico).
 La Pedrita, Rio Uracoa, ♂ February 13 (58,693).
 Cariaquito, ♀ February 14 (58,752).
 "Iris brown, legs yellowish, cere greenish-yellow."
 The former specimen is in the slaty black plumage, the latter in the light striated stage.
34. **Leucopternus albicollis** (Lath.). White-collared Hawk.
Falco albicollis Latham, Ind. Orn., i, p. 36, 1790 (Cayenne).
 Cariaquito, ♂ January 20 (58,753).
 "Iris hazel, legs lemon-yellow."
35. **Herpetotheres cachinnans** (Linn.). Laughing Hawk.
Falco cachinnans Linnæus, Syst. Nat., Ed. X, i, p. 90, 1758 ("South America" = Cayenne).
 Pedernales, ♀ March 6 (58,747).
 "Iris hazel, skin at base of bill yellow, legs yellow."
36. **Rostrhamus sociabilis** (Vieill.). Everglade Kite.
Herpetotheres sociabilis Vieillot, N. Diet. d'Hist. Nat., xviii, 1817, 318 (Corrientes and Rio de la Plata).
 Caño Corosal, ♂ February 24 (58,694).
 "Iris carmine, beak black, cere and skin around gape dull yellow, feet dull orange."

37. *Leptodon uncinatus* (Temm.). Red-collared Kite.

Falco uncinatus Temminck, Pl. Col., i, Pls. 103-105, 1824 (Rio Janeiro).

Cariaquito, ♀ January 22 (58,689).

"Iris white, feet yellow, skin above the eye greenish-yellow."

38. *Elanus leucurus* (Vieill.). White-tailed Kite.

Milvus leucurus Vieillot, N. Diet. d'Hist. Nat., xx, p. 563, 1818 (Paraguay).

La Pedrita, Rio Uracoa, ♂ ♂ February 15 and 13 (58,690-1).

"Iris brilliant carmine, legs yellow, bill black, cere and edges of gape yellow."

39. *Falco columbarius* Linn. Pigeon Hawk.

Falco columbarius Linnæus, Syst. Nat., Ed. X, i, 1758, p. 90 (Carolina).

Caño Corosal, ♀ February 28 (58,695).

BUBONIDÆ.

40. *Pulsatrix perspicillata* (Lath.). Spectacled Owl.

Strix perspicillata Latham, Ind. Orn., i, p. 58, 1790 (Cayenne).

Cariaquito, ♀ March 13 (58,754).

"Iris yellow."

PSITTACIDÆ.

41. *Ara ararauna* (Linn.). Blue-and-yellow Macaw.

Psittacus Ararauna Linnæus, Syst. Nat., Ed. X, i, p. 96, 1758 ("South America" = Brazil).

Guinipa Village, February 2, ♂ ♀ (58,800-1).

42. *Aratinga æruginosus* (Linn.). Brown-throated Parrot.

Psittacus æruginosus Linnæus, Syst. Nat., Ed. X, i, p. 98, 1758 ("America" = Cayenne).

Corosal, ♂ ♀ February 27 (58,314-5).

43. *Aratinga leucophthalmus* (P. L. S. Müller). White-eyed Parrot.

Psittacus leucophthalmus P. L. S. Müller, Syst. Nat., Suppl., p. 75, 1776 (Guiana).

Buelte Triste, Manimo River, ♂ ♀ February 21 (58,312-3).

"Iris reddish-yellow."

44. *Pyrrhura emma* Salvad. Salvadori's Parrot.

Pyrrhura emma Salvadori, Cat. Birds Brit. Mus., xx, p. 217, Pl. i, 1891 (Caripe).

Cariaquito, ♂ ♂ March 10, ♂ March 15, ♀ January 20, ♀ March 18 (58,307-11).

"Iris yellow, legs black."

45. *Psittacula passerina* (Linn.). Blue-winged Parakeet.

Psittacus passerinus Linnæus, Syst. Nat., Ed. X, i, p. 103, 1758 ("America" = Guiana).

Caño Corosal, ♂ February 25 (58,316).

46. *Amazona amazonica* (Linn.). Orange-winged Amazon.

Psittacus amazonicus Linnæus, Syst. Nat., Ed. XII, i, p. 147, 1766 (Surinam).

Isla Marocotico, Manimo River, ♂ March 3 (58,301).

Pedernales, ♀ January 25 (58,302).

Vagre River, ♀ January 28 (58,303).

"Iris yellowish-red."

Immense flocks of Amazons went up the Manimo every evening to roost (S. B.).

47. *Amazona ochrocephala* (Gmel.). Yellow-headed Amazon.

Psittacus ochrocephalus Gmelin, Syst. Nat., I, i, p. 339, 1788 ("South America" = Colombia).

Vagre River, ♂ January 29 (58,300).

"Iris reddish-yellow."

48. *Pionus menstruus* (Linn.). Red-vented Parrot.

Psittacus menstruus Linnæus, Syst. Nat., Ed. XII, i, p. 148, 1766 (Surinam).

Cariaquito, ♂ ♀ March 10 (58,304 and 58,306), ♂ March 15 (58,305).

"Iris drab."

ALCEDINIDÆ.**49. *Ceryle torquata* (Linn.).** Great Gray Kingfisher.

Alcedo torquata Linnæus, Syst. Nat., Ed. XII, i, p. 180, 1766 (Mexico).

Manimo River, ♂ February 9 (58,331), ♂ ♀ ♀ February 10 (58,328-30), ♂ February 28 (58,332).

"Legs greenish."

50. *Ceryle amazona* (Lath.). Great Green Kingfisher.

Alcedo amazona Latham, Ind. Orn., i, p. 257, 1790 (Cayenne).

Manimo River, ♂ ♂ February 10 and 19 (58,321-2).

La Pedrita, Rio Uracoa, ♀ February 17 (58,323).

Caño Corosal, ♀ February 25 (58,324).

51. *Ceryle inda* (Linn.). Spotted Kingfisher.

Alcedo inda Linnæus, Syst. Nat., Ed. XII, i, p. 179, 1766 ("India occidentale" = Cayenne).

Guinipa River, ♂ ♀ February 3 (58,317-8).

Vagre River, ♀ ♀ February 29 (58,319-20).

52. *Ceryle americana* (Gmel.). Little Green Kingfisher.

Alcedo americana Gmelin, Syst. Nat., I, i, p. 451, 1788 (Cayenne).

Cariaquito, ♂ January 22 (58,326), ♀ March 10 (58,325).

Boca Uracoa, Manimo River, ♂ no data.

CAPRIMULGIDÆ.

53. *Chordeiles acutipennis* (Bodd.). South American Nighthawk.

Caprimulgus acutipennis Boddaert, Tabl. Pl. Enl., p. 46, 1783 ("Guiana" = Cayenne).

Caño Corosal, ♂ ♂ February 25 (58,336-7).

54. *Nyctiprogne leucopyga* (Spix). White-winged Nighthawk.

Caprimulgus leucopygus Spix, Av. Bras., II, p. 3, 1823 (Shores of Amazon).

Caño Corosal, ♂ February 27, ♀ February 28 (58,334-5).

55. *Nyctidromus albicollis* (Gmel.). Parauque.

Caprimulgus albicollis Gmelin, Syst. Nat., I, ii, p. 1030, 1789 (Cayenne).

La Pedrita, Rio Uracoa, ♂ February 10 (58,333).

TROGONIDÆ.

56. *Trogon viridis* Linn. Green Trogon.

Trogon viridis Linnaeus, Syst. Nat., Ed. XII, i, p. 167, 1766 (Cayenne).

Guinipa Village, ♂ ♀ February 3 (58,338-9).

Guinipa River, ♂ February 4 (58,340).

Settlement on Vagre River, ♂ January 29 (58,341).

CUOULIDÆ.

57. *Coccyzus pumilus* Strickl. Dwarf Cuckoo.

Coccyzus pumilus Strickland, Jard. Contr. Orn., 1852, p. 28 (Trinidad).

Corosal, ♂ February 27 (58,346).

"Iris and eyelids carmine, legs greenish."

58. *Piaya cayana colombiana* (Cab.). Colombian Chestnut Cuckoo.

Pyrrhonorax colombiana Cabanis, Jour. für Orn., 1862, p. 170 (Cartagena).

Cariaquito, ♂ January 13 (58,344).

Guinipa River, ♂ January 30 (58,343).

Isla Morocatico, ♂ March 3 (58,345).

59. *Crotophaga ani* Linn. Common Ani.

Crotophaga Ani Linnaeus, Syst. Nat., Ed. X, i, p. 105, 1758 ("America" = Brazil).

Cariaquito, ♂ January 17 (58,347).

60. *Crotophaga major* Gmel. Great Ani.

Crotophaga major Gmelin, Syst. Nat., I, i, p. 363, 1788 (Cayenne).

Pedernales, ♂ ♂ January 25, 26 (58,348-9).

"Iris white or bluish-white."

RAMPHASTIDÆ.

61. *Ramphastos monilis* P. L. S. Müller.

Ramphastos monilis P. L. S. Müller, Nat. Syst., Suppl., p. 82, 1776 (Cayenne).

Guinipa Village, ♂ ♀ February 2 (58,359-60).

These birds seem from the appearance of the bills to be similar to those upon which Berlepsch and Hartert have based *R. hæmato-rhynchus* (cf. *Novitates Zoologicæ*, IX, p. 99, 1902).

62. *Ramphastos vitellinus* Licht. Sulphur-and-white-breasted Toucan.

Ramphastos vitellinus Lichtenstein, Verz. Doubl., p. 7, 1823 (Cayenne).

Caño Vagre, ♀ January 28 (58,361).

"Iris bluish-white, legs, skin around the eye and base of bill beautiful changeable blue."

63. *Pteroglossus araçari roraimæ* Brabourne and Chubb. Roraima Aracari.

Pteroglossus roraimæ Brabourne and Chubb, Ann. Mag. Nat. Hist., (8), X, p. 261, 1912 (Roraima).

Guinipa Village, ♂ ♀ February 3 (58,350-1).

Guinipa River, ♀ January 31 (58,352).

Settlement on the Vagre River, ♀ February 7 (58,353).

Cariaquito, ♂ ♀ ♀ January 22 (58,354, 58,357-8), ♀ March 10 (58,356), — January 16 (58,355).

"Iris hazel."

The commonest species of Toucan observed (S. B.).

BUCCONIDÆ.

64. *Bucco dysoni* Sl. Dyson's Puff-bird.

Bucco dysoni Selater, P. Z. S., p. 193, 1885 (Honduras).

Manimo River, ♀ February 8 (58,369).

65. *Bucco bicinctus* (Gould). Two-banded Puff-bird.

Tamatia bicincta Gould, P. Z. S., p. 80, 1836 ("Cayenne" = Venezuela).

Guinipa River, ♂ February 3 (58,372).

Buelta Triste, Manimo River, ♂ February 20, ♀ February 21 (58,371, 58,370).

"Iris yellowish-white, legs greenish-blue."

GALBULIDÆ.

66. *Galbula ruficauda* Cuv. Rufous-tailed Jacamar.

Galbula ruficauda Cuvier, Regn. Anim., i, p. 420, 1817 ("Guiana" = Cayenne).

Pedernales, ♀ January 26 (58,362).

Guinipa Village, ♂ ♂ February 2 (58,363, 58,365), ♂ ♂ February 3 (58,364, 58,366).

Manimo River, ♂ ♂ February 9 (58,367-8).

"Feet greenish-yellow, beak black."

PICIDÆ.

- 67. *Chrysoptilus punctigula punctipectus*** Cab. and Hein. Spot-breasted Woodpecker.
Chrysoptilus punctipectus Cabanis and Heine, Mus. Hein., iv, p. 163, 1863 (Venezuela).
 Caño Corosal, ♂ February 25 (58,385).
- 68. *Centurus terricolor*** Berlepsch. Sombre Woodpecker.
Centurus terricolor Berlepsch, Ibis, 1880, p. 113 (Orinoco district or Trinidad).
 Cariaquito, ♂ ♀ January 14 (58,381-2).
 Guinipa Village, ♂ February 2 (58,384).
- 69. *Celeus elegans hellmayri*** Berlepsch. Hellmayr's Woodpecker.
Celeus elegans hellmayri Berlepsch, Novitates Zoologicae, xv, p. 272, 1908 (British Guiana).
 Guinipa River, ♀ January 31 (58,383).
 "Iris carmine, bill and legs bluish-horn color."
- 70. *Crocomorphus semicinnamomeus*** (Reichenb.). Yellow Woodpecker.
Celeus semicinnamomeus Reichenbach, Scans. Picinæ, p. 407, 1854 (Venezuela).
 Cariaquito, ♀ January 12 (58,376), ♀ January 18 (58,377),
 ♂ March 12 (58,378).
 La Pedrita, Rio Uracoa, ♀ February 13 (58,375).
 Buelta Triste, Manimo River, ♂ February 20 (58,373).
 Settlement, Vagre River, ♀ February 28 (58,374).
 "Iris red, legs lead color, bill yellow."
- 71. *Campephilus melanoleucos*** (Gmel.). Black-and-white Woodpecker.
Picus melanoleucos Gmelin, Syst. Nat., I, i, p. 426, 1788 (Surinam).
 Pedernales, ♂ January 26 (58,380).
 One other ♂ without data.
 "Iris yellow."
- 72. *Geophlœus lineatus*** (Linn.). Lineated Woodpecker.
Picus lineatus Linnæus, Syst. Nat., Ed. XII, i, p. 174, 1766 (Cayenne).
 Cariaquito, ♂ January 16 (58,379).
 "Iris white, bill lead color."

TROCHILIDÆ.

- 73. *Glaucis hirsuta*** (Gmel.). Hairy Hermit.
Trochilus hirsutus Gmelin, Syst. Nat., I, i, p. 490, 1788 (Brazil).
 Cariaquito, ♀ March 16 (58,410).
- 74. *Campylopterus ensipennis*** (Sw.). Blue-throated Sabre-wing.
Trochilus ensipennis Swainson, Zool. Illustr., ii, Pl. 107, 1821-2 ("South America" = Venezuela).
 Cariaquito, ♀ January 14 (58,399).

75. **Florisuga mellivora** (Linn.). Great Jacobin.

Trochilus mellivorus Linnæus, Syst. Nat., Ed. X, i, p. 121, 1758 ("India" = Guiana).

Cariaquito, ♀ January 14 (58,418), ♀ March 16 (58,414), ♀ ♂ ♀
♀ ♀ March 17 (58,415-19), ♂ ♂ ♂ March 17 (58,385-7), and 3
♂ without data.

76. **Thalurania refulgens** Gould. Refulgent Wood-nymph.

Thalurania refulgens Gould, P. Z. S., 1852, p. 9 ("Unknown" = Venezuela).

Cariaquito, ♂ ♂ ♀ January 16 (58,409, 58,413, 58,421), ♂ March 15
(58,408), ♂ March 18 (58,420).

Isla de Morocatico, Manimo River, March 3 (58,404) and two
males without data.

77. **Colibri delphinæ** (Less.). Brown Violet-ear.

Ornysmya Delphinæ Lesson, Rev. Zool., 1839, p. 44 ("loc. unknown" =
Guiana).

Cariaquito, ♂ January 14 (58,412).

78. **Anthracothorax nigricollis** (Vieill.). Violet-tailed Mango.

Trochilus nigricollis Vieillot, N. Dict. d'Hist. Nat., vii, p. 349, 1817 (Brazil).

Guinipa Village, 5 ♂ February 2 and 3 (58,390-4).

Cariaquito, ♂ March 17 (58,389).

Jocopita, ♀ ♀ February 23 (58,405-6).

79. **Anthracothorax gramineus** (Gmel.). Green-throated Mango.

Trochilus gramineus Gmelin, Syst. Nat., I, i, p. 488, 1788 ("no. loc" = Guiana).

Pedernales, ♂ ♂ January 27 (58,395-6) and one other without
data.

80. **Agyrtria chionopectus** (Gould). White-breasted Emerald.

Thaumantias chionopectus Gould, Monogr. Trochil., v, Pl. 293 (1859)
(Trinidad).

Guinipa Village, ♂ February 2 (58,429).

Pedernales, ♂ January 27 (58,431).

81. **Agyrtria fimbriata** (Gmel.). Lesson's Emerald.

Trochilus fimbriatus Gmelin, Syst. Nat., I, i, p. 493, 1788 (Cayenne).

Boco Uracoa, Manimo River, ♂ February 10 (58,426).

Buelta Triste, Manimo River, ♂ February 20 (58,432).

Jocopita, Manimo River, ♂ ♂ February 22 and 23 (58,427-8).

Caño Corosal, ♀ ♂ February 25 and 28 (58,402-3).

82. **Saucerottea erythronota feliciæ** (Less.). Felicia's Erythronote.

Ornysmya Feliciæ Lesson, Rev. Zool. 1840, p. 72 (San Jose dist. Brazil).

Cariaquito, ♀ January 14 (58,425), ♂ ♀ January 16 (58,433,
58,436). ♂ January 18 (58,424), ♂ ♂ March 13 and 16 (58,401,
58,434). Three without data.

83. *Hylocharis cyanus viridiventris* Berlepsch. Green-vented Sapphire.
Hylocharis cyanea subsp. *viridiventris* Berlepsch, Ibis., 1880, p. 113 (Merida, Venezuela).
 Cariaquito, ♂ March 17 (58,435).
84. *Chrysuronia œnone* (Less.). Lesson's Sapphire.
Ornysmya œnone Lesson, Hist. Nat. Ois.-Mouches, Suppl., p. 157, 1832 (Trinidad).
 Cariaquito, ♂ ♂ March 10 (58,397-8).
85. *Chlorestes notatus* (Reich.). Blue-chinned Sapphire.
Trochilus notatus Reichenbach, Mag. des Thierreichs (Erlange), i, Abth. 3, p. 129, 1795 (Cayenne).
 Cariaquito, ♀ ♀ January 14 (58,422-3), ♂ ♂ March 13 and 17 (58,437, 58,400).
 Guinipa Village, ♂ February 2 (58,430) and two males without data.
86. *Anthoscenus superba* (Shaw). Long-billed Star-throat.
Trochilus superbus Shaw, Nat. Misc. xiii, Pl. 517, 1802 ("South America" = Colombia).
 Cariaquito, ♂ juv. March 10 (58,411).

FORMICARIIDÆ.

87. *Thamnophilus punctatus* (Shaw). Choca.
Lanius punctatus Shaw, Gen. Zool., vii, pt. 2, p. 327 (Cayenne).
 Cariaquito, ♀ ♂ March 13 (58,451-2).
88. *Thamnophilus canadensis* (Linn.). Black-crested Bush-Shrike.
Lanius canadensis Linnæus, Syst. Nat., Ed. XII, i, p. 134, 1766 ("Canada" = Cayenne).
 Cariaquito, ♂ January 25 (58,450).
 Settlement on Vagre River, ♂ January 28 (58,449).
 Jocopita, Manimo River, ♂ February 22 (58,448).
89. *Microhoppia grisea intermedia* (Cab.). Allied Ant-Wren.
Formicivora intermedia Cabanis, Arch. f. Naturg., 13, I, p. 225, 1847 (Carthagera, Aragua, Venezuela).
 Cariaquito, ♀ January 18 (58,456), ♂ ♀ March 13 (58,453, 58,457).
90. *Solateria nævia* (Gm.). Surinam Ant-Creeper.
Sitta nævia Gmelin, Syst. Nat., I, i, p. 442, 1788 (Surinam).
 Caño Vagre, ♂ ♀ January 29 (58,454-5).

DENDROCOLAPTIDÆ.

91. *Aerorhynchus alopecias* (Pelzeln). Northern Rusty-backed Spinetail.
Synallaxis alopecias Pelzeln, Sitzungsber. Ak. Wissensch. Wien, xxxiv, p. 101, 1859 (Rio Branco, Brazil).
 Manimo River, ♂ ♂ ♀ February 9 (58,461-3).

92. *Synallaxis albescens albigularis* Sel. Slater's Spine-tail.
Synallaxis albigularis Selater, P. Z. S., 1858, p. 63 (Rio Napo).
 Jocopita, Manimo River, ♂ February 23 (58,465).
 Caño Corosal, ♂ juv. February 27 (58,464).
93. *Synallaxis cinnamomea* (Gm.). Yellow-throated Spine-tail.
Certhia cinnamomea Gmelin, Syst. Nat., I, i, p. 480, 1788 ("no loc." = Guiana).
 Boca Uracoa, Manimo River, ♀ ♀ February 10 (58,466-7).
94. *Dendrocincla meruloides phæochroa* Berl. and Hart. Munduapo Wood-hewer.
Dendrocincla phæochroa Berlepsch and Hartert, Nov. Zool., ix, p. 67, 1902
 (Munduapo, Rio Orinoco).
 Cariaquito, ♀ January 14 (58,459).
95. *Dendroplex picirostris* Lafr. White-throated Wood-hewer.
Dendroplex picirostris Lafresnaye, Rev. Zool., 1847, p. 76 (Rio Hacha
 Colombia).
 Jocopita, Manimo River, ♂ February 22 (58,460).
96. *Picolaptes albolineatus* (Lafr.). Fulvous-throated Wood-hewer.
Dendroplex albolineatus Lafresnaye, Rev. Zool., 1846, p. 208 (Colombia).
 Cariaquito, ♀ January 18 (58,458).

TYRANNIDÆ.

97. *Fluvicola pica* (Bodd.). White-shouldered Water Tyrant.
Muscicapa pica Boddaert, Tabl. d. Pl. Enl., p. 42, 1783 (Cayenne).
 Manimo River, ♂ ♂ February 9 (58,511-2).
98. *Arundinicola leucocephala* (Linn.). White-headed Marsh Tyrant.
Pipra leucocephala Linnæus, Mus. Ad. Frid., ii, prodr., p. 33, 1764 ("no
 loc." = Surinam).
 Buelta Triste, Manimo River, ♂ February 20 (58,509).
 Boca Uracoa, Manimo River, ♂ February 10 (58,510).
99. *Machetornis flavigularis* Todd. Yellow-throated Tyrant.
Machetornis flavigularis Todd, Ann. Carnegie Mus., viii, p. 210, 1912
 (Tocuyo, Venezuela).
 Caño Corosal, ♂ ♀ ♂ February 25 (58,487-9).
100. *Craspedoprion olivaceus guianensis* (McConnell). Guiana Flat-bill.
Rhynchocyclus olivaceus guianensis McConnell, Bull. B. O. C., xxvii, p.
 106, 1911 (British Guiana).
 Cariaquito, ♂ January 21 (58,502).
101. *Mionectes oleagineus pallidiventris* Hellmayr. Pallid Oily Flycatcher.
Mionectes oleagineus pallidiventris Hellmayr, Nov. Zool., xiii, p. 22, 1906
 (Cumana).
 Cariaquito, ♀ January 19, ♂ March 15 (58,468-9).
102. *Elænea* Sp.?
 Jocopita, Manimo River, ♂ February 22 (58,507).

103. *Elænea flavogaster* (Thunberg). Yellow-vented Crested Flycatcher.

Pipra flavogaster Thunberg, Mem. Acad. St. Petersburg, viii, p. 286, 1822
("no loc." = Brazil).

Cariaquito, ♂ March 17 (58,495).

Corosal, ♂ February 27 (58,494).

104. *Elænea gaimardii* (d'Orb.). Gaimard's Crested Flycatcher.

Muscicapara Gaimardii d'Orbigny, Voyage (1838-47), p. 326 (Yuracares, Bolivia).

Cariaquito, ♂ January 14 (58,503).

This is probably referable to the subspecies *guianensis*, but I have not material to settle this point with certainty.

Mr. Ridgway has established the genus *Elainopsis* for this species and has referred it to the *Cotingidæ*.

105. *Myiozetetes similis columbianus* Cab. and Hein. Colombian Flycatcher.

Myiozetetes columbianus Cabanis and Heine, Mus. Hein., ii, 1859, p. 62
(Pto. Cabello, Cartagena).

Cariaquito, ♀ ♀ ♀ January 13, 21, 20 (58,499-501).

106. *Pitangus derbyanus rufipennis* (Lafr.). Rufous-winged Flycatcher.

Saurophagus rufipennis Lafresnaye, Rev. Zool., 1851, p. 471 (Colombia and Caracas).

Guinipa Village, ♂ February 3 (58,486) and another without data, probably from the same locality.

107. *Pitangus lictor* (Licht.). Lichtenstein's Flycatcher.

Lanius lictor Lichtenstein, Verz. Doubl., p. 49, 1823 (Para).

Manimo River, ♀ February 8 (58,496).

Guinipa River, ♂ ♀ January 31 (58,497-8).

108. *Myiodynastes maculatus* (P. L. S. Müll.). Streaked Flycatcher.

Muscicapa Maculata P. L. S. Müller, Syst. Nat., Suppl., p. 169, 1776
(Cayenne).

Cariaquito, ♂ ♂ January 18 and March 10 (58,490-1).

109. *Rhynchoeyclus sulphureus assimilis* Pelz. Pelzel's Flat-bill.

Rhynchoeyclus assimilis Pelzel, Orn. Bras., p. 181, 1869 (Rio Negro, N. Brazil) [nomen nudum at p. 110].

Cariaquita, ♀ March 15 (58,504).

Jocopita, ♀ February 22 (58,506).

110. *Todirostrum cinereum* (Linn.). Black-crowned Tody-Tyrant.

Todus cinereus Linnæus, Syst. Nat., Ed. XII, i, p. 178, 1766 (Surinam).

Cariaquito, ♂ January 17 (58,515), ♂ March 15 (58,516), ♀ March 14 (58,517).

Pederuales, ♂ January 27 (58,519).

Buelta Triste, Manimo River, ♂ ♀ February 20 (58,518, 585,13).

Jocopita, Manimo River, ♂ February 23 (58,514).

111. **Todirostrum maculatum** (Desm.). Spotted Tody-Tyrant.
Todus maculatus Desmarest, Hist. Nat. Tangaras, etc., Pl. 70, 1805 (Guiana).
 Pedernales, ♂ ♀ January 25 and 26 (58,521 and 58,520).
112. **Colopteryx galeatus** (Bodd.). Helmeted Pygmy Flycatcher.
Motacilla galeata Boddaert, Tabl. Pl. Enl., p. 24, 1783 (Cayenne).
 Jocopita, Manimo River, ♂ February 22 (58,522).
 Also a young bird in first plumage (58,523) from Cariaquito, January 14.
113. **Megarhynchus pitangua** (Linn.). Pitangua Flycatcher.
Lanius Pitangua Linnæus, Syst. Nat., Ed. XII, i, p. 136, 1766 (Brazil).
 Cariaquito, ♂ March 17 (58,485), ♀ January 20 (58,484).
114. **Myiarchus ferox venezuelensis** Lawr. Venezuelan Crested Flycatcher.
Myiarchus venezuelensis Lawrence, Proc. Acad. Nat. Sci. Phila., 1865, p. 38 (Venezuela).
 Boco Uracoa, Manimo River, ♂ February 10 (58,479).
 Jocopita, Manimo River, ♀ February 22 (58,480).
115. **Tyrannus melancholicus satrapa** (Cab. and Heine). Lesser Yellow-breasted Kingbird.
Laphyctes satrapa Cabanis and Heine, Mus. Hein. ii, p. 77, 1859 (Guiana: Caracas).
 Pedernales, ♀ January 26 (58,481).
 Cariaquito, ♀ ♀ January 21 and March 13 (58,482-3).
116. **Tyrannus dominicensis** (Gmel.). Gray Kingbird.
Lanius dominicensis Gmelin, Syst. Nat., I, i, p. 302, 1788 (Santo Domingo).
 La Pedrita, Rio Uracoa, ♂ February 15 (58,493), ♀ February 17 (58,492).
117. **Muscivora tyrannus** (Linn.). Fork-tailed Flycatcher.
Muscicapa tyrannus Linnæus, Syst. Nat., Ed. XII, i, p. 325, 1766 (Cayenne).
 Boca Uracoa, ♂ ♀ ♀ February 10 (58,476-8).
 La Pedrita, Rio Uracoa, ♂ February 11 (58,475).

COTINGIDÆ.

118. **Tityra cayana** (Linn.). Cayenne Tityra,
Lanius cayanus Linnæus, Syst. Nat., Ed. XII, i, p. 137, 1766 (Cayenne).
 Cariaquito, ♂ March 16 (58,526).
119. **Pachyrhamphus rufus** (Bodd.). Cinereous Thick-bill.
Muscicapa rufa Boddaert, Tabl. Pl. Enl., p. 27, 1783 (Cayenne).
 Manimo River, ♂ February 20 (58,527).
120. **Pachyrhamphus cinereiventris** Sel. Gray-bellied Thick-bill.
Pachyrhamphus cinereiventris Selater, Cat. Amer. Birds, p. 242, 1862 (Santa Martha).
 Guinipa Village, ♂ February 3 (58,505).

PIPRIDÆ.

121. *Chiroxiphia lanceolata* (Wagler). Lance-tailed Manakin.

Pipra lanceolata Wagler, Isis, 1830, p. 931 ("Guiana" = Colombia).

Cariaquito, ♀ January 18 (58,524), ♂ juv. March 13 (58,525) and an adult male without data.

HIRUNDINIDÆ.

122. *Progne chalybea* (Gmel.). Gray-breasted Martin.

Hirundo chalybea Gmelin, Syst. Nat., I, ii, p. 1026, 1789 (Cayenne).

Caño Corosal, ♀ February 26 (58,530).

123. *Iridoprocne albiventer* (Bodd.). White-bellied Tree Swallow.

Hirundo albiventer Boddaert, Tabl. Pl. Enl., p. 32, 1783 (Cayenne).

Guinipa River, ♂ February 5 (58,532).

Pedernales, ♀ January 26 (58,531).

124. *Stelgidopteryx ruficollis æqualis* Bangs. Bangs' Rough-winged Swallow.

Stelgidopteryx ruficollis æqualis Bangs, Proc. N. E. Zool. Club, ii, p. 58, 1901 (Santa Marta).

Manimo River, ♀ ♂ February 9 (58,528-9).

TROGLODYTIDÆ.

125. *Heleodytes nuchalis* (Cab.). Fulvous-naped Cactus-Wren.

Campylorhynchus nuchalis Cabanis, Arch. für Naturg. i, p. 206, 1847 (Venezuela).

Buelta Triste, Manimo River, ♂ ♂ February 20 (58,438-9).

Boca Uracoa, Manimo River, ♂ February 18 (58,440).

Manimo River, ♀ February 9 (58,441).

"Iris white, legs and upper mandible blue, lower white."

126. *Heleodytes minor* Cab. Lesser Cactus Wren.

Heleodytes minor Cabanis, Mus. Hein., i, p. 80, 1850 (Venezuela).

Guinipa Village, ♀ February 3 (58,533).

127. *Thryophilus rufalbus castanonotus* Ridgw. Chestnut-backed Wren.

Thryophilus rufalbus castanonotus Ridgway, Proc. Bost. Soc. N. H., xxiii, March, p. 386, 1888 (Angostura, Costa Rica).

Cariaquito, January 17 (58,537), ♂ January 20 (58,538), ♂ March 15 (58,534).

"Feet light lead color, lower mandible bluish-white."

128. *Thryothorus rutilus* Vieill. Bar-throated Wren.

Thryothorus rutilus Vieillot, N. Dict. d'Hist. Nat., xxxiv, p. 55, 1819 (Trinidad).

Cariaquito, ♂ January 17 (58,768).

129. *Troglodytes musculus clarus* Berlepsch and Hartert. Venezuelan House-Wren.

Troglodytes musculus clarus Berlepsch and Hartert, Nov. Zool., ix, p. 8, 1902 (Bartica Grove, British Guiana).

Cariaquito, ♂ January 19 (58,536), ♂ March 17 (58,535).

MIMIDÆ.

130. *Mimus gilvus melanopterus* Lawr. Black-winged Mockingbird.

Mimus melanopterus Lawrence, Ann. Lyc. N. Y., v, p. 35, 1849 (Venezuela).

La Pedrita, Rio de Uracoa, February 17 (58,539).

Caño Corosal, ♂ ♂ ♀ February 28 (58,540-2).

131. *Donacobius atricapillus* (Linn.). Black-capped Mocking Thrush.

Turdus atricapilla Linnæus, Syst. Nat., Ed. XII, i, p. 295, 1766 ("Cape of Good Hope" = Brazil).

Manimo River, ♂ ♂ ♀ February 9 (58,442-4).

La Pedrita, Rio Uracoa, ♀ February 14 (58,445).

Guinipa Village, ♀ ♀ February 3 (58,446-7).

"Iris and skin on sides of neck yellow, bill and inside of mouth black, legs grayish horn color."

TURDIDÆ.

132. *Planesticus phæopygus phæopygoides* (Seeböhm). Tobago White-throated Thrush.

Turdus phæopygoides Seeböhm, Cat Birds, Brit. Mus., v, p. 404, 1881 (Tobago).

Cariaquito, ♂ ♂ March 10 and January 21 (58,543-4).

VIREONIDÆ.

133. *Vireo chivi* (Vieill.). Chivi Vireo.

Sylvia chivi Vieillot, N. Dict. d'Hist. Nat., xi, p. 174, 1817 (Paraguay).

Cariaquito, ♂ ♂ March 15 and 12 (58,545-6).

134. *Pachysylvia aurantiifrons saturata* Hellmayr. Venezuelan Golden-fronted Warbler.

Pachysylvia aurantiifrons saturata Hellmayr, Nov. Zool., xiii, p. 322 (Rio Vaupe).

Cariaquito, ♀ January 14 (58,472), ♂ ♂ ♀ January 20 (58,471, 3 and 4), ♂ March 16 (58,470).

135. *Cyclorhis gujanensis flavipectus* Sclater. Guiana Greenlet Shrike.

Cyclorhis flavipectus Sclater, P. Z. S., 1858, p. 448 (Trinidad).

Cariaquito, ♂ March 17 (58,547).

Pedernales, ♀ January 25 (58,549).

Jocopita, Manimo River, ♀ February 23 (58,550).

Boco Uracoa, Manimo River, ♂ February 10 (58,548).

"Iris yellow, feet light bluish."

MNIOTILTIDÆ.

136. *Compsothlypis pitaiayumi elegans* Todd. Elegant Warbler.

Compsothlypis pitaiayumi elegans Todd, Ann. Carnegie Mus., viii, No. 2, p. 204, 1912 (Lara, N. W. Venezeula).

Cariaquito, ♂ March 10 (58,553), ♀ January 21 (58,554).

137. *Dendroica æstiva* (Gmel.). Yellow Warbler.

Motacilla æstiva Gmelin, Syst. Nat., I, ii, p. 996, 1789 (Canada).

Caño Corosal, ♂ ♂ February 25 and 27 (58,551-2).

138. *Seiurus noveboracensis* (Gmel.). Small-billed Water-Thrush.

Motacilla noveboracensis Gmelin, Syst. Nat., I, ii, p. 958, 1789 (Louisiana and New York).

Cariaquito, ♀ ♀ January 20 and 18 (58,555-6).

139. *Geothlypis æquinoctialis* (Gmel.). Equinoctial Warbler.

Motacilla æquinoctialis Gmelin, Syst. Nat., I, ii, p. 972, 1789 (Cayenne).

Manimo River, ♂ February 20 (58,558).

140. *Basileuterus auricapillus olivascens* Chapm. Chapman's Warbler.

Basileuterus vermicivorus olivascens Chapman, Auk., 1893, p. 343 (Prinestown, Trinidad).

Cariaquito, ♂ March 13 (58,557).

MOTACILLIDÆ.

141. *Anthus lutescens* Pucher. Rufous Pipit.

Anthus lutescens Pucheran, Archiv. du. Mus., vii, p. 343, 1855 (Brazil).

La Pedrita Uracoa, ♂ ♀ February 17 (58,560-1).

While known from Guiana, I do not find this species previously recorded from Venezuela.

FRINGILLIDÆ.

142. *Sporophila americana* (Gmel.). Gmelin's Seed-eater.

Loxia americana Gmelin, Syst. Nat., I, ii, p. 863, 1789 ("America" = Cayenne).

Pedernales, ♂ January 25 (58,572).

Caño Corosal, ♀ February 28 (58,574).

This is another species apparently not recorded from Venezuela.

143. *Sporophila grisea* (Gmel.). Gray Seed-eater.

Loxia grisea Gmelin, Syst. Nat., I, ii, p. 857, 1789 ("Virginia" = Guiana).

Caño Corosal, ♂ February 25 (58,573).

144. *Sporophila minuta* (Linn.) Pygmy Seed-eater.

Loxia minuta Linnaeus, Syst. Nat., Ed. X, i, p. 176, 1758 (Surinam).

Pedernales, ♂ ♂ ♂ January 26 and 27 (58,569-71).

145. *Volatinia jacarini splendens* (Vieill.). Jacarini Grassquit.

Fringilla splendens Vieillot, N. Dict. d'Hist. Nat., xii, p. 173, 1817 (Cayenne).

Cariaquito, ♂ ♀ January 21 and 19 (58,568 and 58,565).

146. *Saltator olivaceus* Cab. Gray-breasted Saltator.
Saltator olivaceus Cabanis, in Schomb. Reis. Guian., iii, p. 676, 1848 (Guiana).
 Guinipa Village, ♂ ♀ February 2 (58,625-6).
 La Pedrita, Rio Uracoa, ♂ ♂ February 13 (58,627 and 58,635).
147. *Sicalis colombiana* Cab. Venezuelan Yellow-finch.
Sycalis columbiana Cabanis, Mus. Hein., i, p. 147, 1851 (Porto Cabello).
 La Pedrita, Rio Uracoa, ♂ ♀ February 13 (58,578 and 58,564).
 Caño Corosal, ♂ February 28 (58,576).
148. *Serinopsis arvensis minor* (Cab.). Little Yellow Finch.
Sycalis minor Cabanis, in Schomb. Reis. Guian., iii, p. 679, 1848 (British Guiana).
 Caño Corosal, ♂ ♀ February 27 (58,575 and 58,577).
149. *Myospiza manimbe* (Licht.). South American Grasshopper Sparrow.
Fringilla Manimbe Lichtenstein, Verz. Doubl., p. 25, 1823 (Bahia).
 La Pedrita, Rio Uracoa, ♀ ♂ February 17 (58,562-3).
150. *Paroaria nigrogenis* (Lafr.). Black-faced Cardinal.
Nemosia nigrogenis Lafresnaye, Rev. Zool., 1846, p. 273 (Orinoco region).
 La Pedrita, Rio Uracoa, ♂ February 13 (58,579).
 Manimo River, ♂ February 10 (58,580).
 Jocopita, Manimo River, ♀ February 23 (58,581).
 Caño Corosal, ♂ juv. February 28 (58,582).

CEREBIDÆ.

151. *Cereba luteola* (Cab.). Venezuela Flower-pecker.
Certhiola luteola Cabanis, Mus. Hein., i, p. 96, 1851 (Puerto Cabello).
 Cariaquito, ♀ January 21, ♂ January 18, ♂ January 14 (58,603-5).
 Isla de Morocotico, Manimo River, ♀ March 3 (58,601).
 Jocopita, Manimo River, ♂ February 23 (58,602).
152. *Daenis cayana* (Linn.). Turquoise Honey-creeper.
Motacilla cayana Linnæus, Syst. Nat., Ed. XII, i, p. 336, 1766 (Cayenne).
 Cariaquito, ♂ ♀ ♀ January 14 (58,607, 58,598-9), ♂ January 20 (58,608), ♂ March 17 (58,606) also a male without data.
 "Iris hazel, feet flesh color."
153. *Cyanerpes cyaneus* (Linn.). Blue Honey-creeper.
Motacilla cyanea Linnæus, Syst. Nat., Ed. XII, i, p. 188, 1766 (Brazil and Cayenne).
 Cariaquito, 7 ♂ March 10 (58,583-9).
 Pedernales, ♂ ♀ March 6 (58,590).
 "Legs carmine, bill black."

154. *Cyanerpes œruleus* (Linn.). Purple Honey-creeper.

Certhia œruleus Linnæus, Syst. Nat., Ed. X, i, p. 118, 1758 (Surinam).

Cariaquito, ♂ January 13 (58,591), ♀ January 14 (58,594),
♀ March 10 (58,592), also three without data.

"Feet clear lemon-yellow."

155. *Chlorophanes spiza* (Linn.). Green Honey-creeper.

Motacilla Spiza Linnæus, Syst. Nat., Ed. X, i, p. 188, 1758 (Surinam).

Cariaquito, ♂ ♂ ♀ January 13 (58,597, 58,610-12), ♀ ♂ ♂
January 14 (58,595, 58,613-14), juv. ♂ January 16 (58,593), ♂
January 18 (58,596), ♀ January 21 (58,609).

TANGARIDÆ.**156. *Tanagra trinitatis* (Strickl.).** Yellow-capped Euphonia.

Euphonia trinitatis Strickland, Contr. Orn., 1851, p. 72 (Trinidad).

Cariaquito, ♀ January 18, ♀ January 14, ♂ January 16, ♂
January 13 (58,566-7, 58,649-50), and two without data.

157. *Tangara desmarestii* (Gray). Red-headed Calliste.

Calliste Desmarestii Gray, Gen. Bds., ii, p. 366, 1844 (Trinidad).

Cariaquito, ♂ ♀ March 10 and 12 (58,648, 58,647).

158. *Thraupis episcopus sclateri* (Berlepsch). Trinidad Blue-gray Tanager.

Tanagra sclateri Berlepsch, Ibis., 1880, p. 112 (Orinoco Dist. or Trinidad).

Cariaquito, ♂ ♂ January 16, ♂ January 19 (58,620-2).

Guinipa Village, ♂ ♀ February 3 (58,623-4).

159. *Thraupis palmarum melanoptera* (Scl.). Western Palm Tanager.

Tanagra melanoptera Sclater, P. Z. S., 1856, p. 235 (E. Peru).

Cariaquito, ♂ ♀ ♀ ♀ January 14 (58,615-8), ♂ January 16
(58,619).

160. *Ramphocelus carbo* (Pall.). Silver-beaked Tanager.

Lanius Carbo Pallas, Vroeg's Catal. Rais. Adumbrat., p. 2, 1764 (Surinam).

Cariaquito, ♀ January 16, ♀ January 14 (58,645-6).

Pedernales, ♂ ♀ January 26 (58,636, 58,644).

Buelte Triste, Manimo River, ♂ ♂ ♀ February 20 (58,639-41).

Guinipa Village, ♂ ♂ February 2 (58,637-8), ♀ ♀ February 2
and 3 (58,642-3).

"Lower mandible pearly-white, black at tip."

161. *Tachyphonus rufus* (Bodd.). Greater White-shouldered Tanager.

Tanagra rufa Boddaert, Tabl. Pl. Enl., p. 44, 1783 (Cayenne).

Cariaquito, ♂ January 20, ♂ January 14, ♂ ♀ January 19
(58,629-31, 58,634).

Jocopita, Manimo River, ♂ February 22 (58,632).

Guinipa Village, ♂ February 3 (58,628).

162. *Tachyphonus surinamus* (Linn.). Fulvous-crested Tanager.

Turdus surinamus Linnæus, Syst. Nat., Ed. XII, i, p. 297, 1766 (Surinam).

Vagre River, ♂ January 29 (58,633).

ICTERIDÆ.

163. *Ostinops decumanus* (Pall.). Great Crested Cacique.

Xanthornus decumanus Pallas, Spic. Zool., fasc. vi, p. 1, 1769 (Surinam).

Cariaquito, ♀ ♂ January 14, ♂ ♂ ♀ January 16 (58,682-4, 58,798-9).

"Iris blue, legs black, bill greenish-yellow."

164. *Ostinops viridis* (P. L. S. Müll.). Great Green Cacique.

Oriolus Viridis P. L. S. Müller, Syst. Nat. Suppl., p. 87, 1776 (Cayenne).

Settlement on Vagre River, ♀ January 28, ♀ ♀ February 7 (58,678-80).

Isla Morocotico, Manimo River, ♀ March 3 (58,681).

Found nesting only on the Vagre (S. B.).

"Iris blue, skin around eye and base of beak yellow, terminal part of beak deep orange."

165. *Cacicus cela* (Linn.). Yellow-backed Cacique.

Parus Cela Linnæus, Syst. Nat., Ed. X, i, p. 191, 1758 ("India" = Guiana).

Cariaquito, ♂ ♂ ♂ ♂ ♀ January 14, ♂ January 18 (58,686-9, 58,796-7), and one without data.

"Bill greenish-horn color, legs black, iris pale bluish-white."

166. *Agelaius icterocephalus* (Linn.). Yellow-headed Marsh-bird.

Oriolus icterocephalus Linnæus, Syst. Nat., Ed. XII, i, p. 163, 1766 (Cayenne).

La Pedrita de Uracoa, ♂ ♂ ♀ February 13 (58,664-6).

Found only on the savannas at La Pedrita (S. B.).

167. *Leistes militaris* (Linn.). Red-breasted Marsh-bird.

Emberiza militaris Linnæus, Syst. Nat., Ed. X, i, p. 178, 1758 (Guiana).

La Pedrita, Rio de Uracoa, ♂ ♂ ♀ February 11 (58,667-8, 58,671), ♂ ♀ February 17 (58,669-70).

Cano de Corosal, ♂ juv. February 28 (58,672).

Found only in the savannas (S. B.).

168. *Gymnomystax mexicanus* (Linn.). Black-and-yellow Oriole.

Oriolus mexicanus Linnæus, Syst. Nat., Ed. XII, i, p. 162, 1766 ("Mexico" = Cayenne).

Corosal, ♂ ♂ February 27 (58,651-2).

"Feet, bill and skin round the eye black."

169. *Icterus auricapillus* Cassin. Golden-crowned Oriole.

Icterus auricapillus Cassin, Proc. Acad. Nat. Sci. Phila., 1847, p. 332 ("South America" = Colombia).

Cariaquito, ♀ ♀ January 14 and ♀ January 21 (58,659-61).

170. *Icterus chryscephalus* (Linn.). Moriche Oriole.

Oriolus chryscephalus Linnæus, Syst. Nat., Ed. XII, i, p. 164, 1766 (America).

Guinipa River, ♀ ♀ January 31 and February 2 (58,662-3).

171. *Icterus xanthornus* (Gmel.). Yellow Oriole.

Oriolus Xanthornus Gmelin, Syst. Nat., I, i, p. 391, 1788 ("Jamaica and Nov. Hisp." = Venezuela).

Cariaquito, ♂ January 16 (58,658), ♀ March 12 (58,657).

Buelta Triste, ♂ February 20 (58,655).

Cano de Corosal, ♀ ♂ ♂ February 25 (58,653-4, 58,656).

172. *Lamprosar tanagrinus guianensis* Cab. Guiana Grackle.

Lamprosar guianensis Cabanis, in Schomb. Reis. Guiana, iii, p. 682, 1848 (Guiana).

Cano de Vagre, ♂ January 29 (58,673).

Guinipa River, ♀ ♀ February (58,674-5).

173. *Holotrichus lugubris* (Sw.). Swainson's Grackle.

Quiscalus lugubris Swainson, Anim. in Menag., p. 299, 1838 ("Brazil" = British Guiana).

Boca Uracoa, Manimo River, ♂ February 18 (58,677).